Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/24/2019 10:27 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126121	0	1.23	126172	1.22
Blue	F	SSC	125000	124977	-1	1.56	125777	1.56
Blue	E	FITC	16122	15725	-3	2.65	343	19.59
Blue	D	PE	29316	28860	-2	1.84	629	14.61
Blue	B	PerCP-Cy5-5	42590	41848	-2	3.56	1134	20.16
Blue	A	PE-Cy7	33146	33139	-1	6.03	623	41.38
Red	C	APC	45473	45315	-1	2.48	1604	12.14
Red	A	APC-Cy7	31961	31040	-3	2.47	820	11.87
Violet	B	V450	7914	7559	-5	5.27	424	13.51
Violet	A	V500	29769	28692	-4	5.09	667	11.17

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21642	3.38	610	10	N/A	N/A	Pass
Blue	F	SSC	56901	1.05	554	16	N/A	N/A	Pass
Blue	E	FITC	63	63.54	541	4	0.0216	181	Pass
Blue	D	PE	131	49.42	543	6	0.1659	274	Pass
Blue	B	PerCP-Cy5-5	208	48.35	643	5	0.0090	23	Pass
Blue	A	PE-Cy7	116	102.05	697	6	0.0107	15	Pass
Red	C	APC	379	25.18	586	7	0.0241	126	Pass
Red	A	APC-Cy7	182	28.10	561	5	0.0057	887	Pass
Violet	B	V450	66	60.16	469	9	0.0565	2520	Pass
Violet	A	V500	99	34.55	480	8	0.0214	745	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.03	-31.79	0.97
Blue	20.36	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.51
Red	16.53	13.60 - 20.40	N/A	N/A	29.56	29.82	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 12729

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments